


STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER NBU 922-36H4CS							
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT NATURAL BUTTES							
4. TYPE OF WELL Gas Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>						5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES							
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.						7. OPERATOR PHONE 720 929-6515							
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217						9. OPERATOR E-MAIL julie.jacobson@anadarko.com							
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-22650			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>							
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')							
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')							
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>							
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN	
LOCATION AT SURFACE		2014 FSL 792 FEL		NESE		36		9.0 S		22.0 E		S	
Top of Uppermost Producing Zone		2508 FNL 495 FEL		SENE		36		9.0 S		22.0 E		S	
At Total Depth		2508 FNL 495 FEL		SENE		36		9.0 S		22.0 E		S	
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 495			23. NUMBER OF ACRES IN DRILLING UNIT 640							
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 281			26. PROPOSED DEPTH MD: 8823 TVD: 8699							
27. ELEVATION - GROUND LEVEL 5029			28. BOND NUMBER 22013542			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Permit #43-8496							
Hole, Casing, and Cement Information													
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement		Sacks	Yield	Weight		
Surf	11	8.625	0 - 2320	28.0	J-55 LT&C	0.2	Type V		180	1.15	15.8		
							Class G		270	1.15	15.8		
Prod	7.875	4.5	0 - 8823	11.6	I-80 LT&C	12.5	Premium Lite High Strength		280	3.38	11.0		
							50/50 Poz		1190	1.31	14.3		
ATTACHMENTS													
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES													
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN							
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER							
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP							
NAME Gina Becker				TITLE Regulatory Analyst II				PHONE 720 929-6086					
SIGNATURE				DATE 05/14/2011				EMAIL gina.becker@anadarko.com					
API NUMBER ASSIGNED 43047515870000				APPROVAL  Permit Manager									

WELL LOCATION:
NBU 922-36H4CS
 ELEV. UNGRADED GROUND = 5028.8'

36

NBU 922-36H4CS (Surface Position)
 NAD 83 LATITUDE = 39.990760° (39° 59' 26.735")
 LONGITUDE = 109.381710° (109° 22' 54.156")
 NAD 27 LATITUDE = 39.990794° (39° 59' 26.859")
 LONGITUDE = 109.381030° (109° 22' 51.706")

NBU 922-36H4CS (Bottom Hole)
 NAD 83 LATITUDE = 39.992860° (39° 59' 34.296")
 LONGITUDE = 109.380661° (109° 22' 50.380")
 NAD 27 LATITUDE = 39.992894° (39° 59' 34.420")
 LONGITUDE = 109.379981° (109° 22' 47.930")

Found 1977 Brass Cap. Pile of Stones.

Found 1977 Brass Cap. Pile of Stones.

Found 1977 Brass Cap. Pile of Stones.

Found 1977 Brass Cap. Pile of Stones & Steel Post.

Found 1977 Brass Cap.

Well Surface Position

Bottom of Hole

2508'

495'

792'

2014'

N89°52'W - 39.65 (G.L.O.)
N89°54'55"W - 2617.00' (Meas.)

N89°42'W - 40.21 (G.L.O.)
N89°45'44"W - 2653.85' (Meas.)

N00°04'40"W - 2649.47' (Meas.)

N00°05'W - 80.28 (G.L.O.)
N00°07'04"W - 2648.72' (Meas.)

N00°14'31"W - 2642.77' (Meas.)
N00°12'W - 80.08 (G.L.O.)
N00°15'08"W (Basis of Bearings)
2642.59' (Measured)

S89°57'57"E - 2632.32' (Meas.)
S89°58'E - 39.89 (G.L.O.)

S89°59'27"E - 2652.24' (Meas.)
S89°57'E - 40.19 (G.L.O.)

Found 1977 Brass Cap. Steel Post.

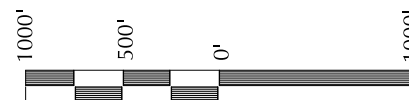
Found 1977 Brass Cap.

1. Well footages are measured at right angles to the Section Lines.
2. G.L.O. distances are shown in feet or chains.
1 chain = 66 feet.
3. The Bottom of hole bears N20°57'48"E 819.81' from the Surface Position.
4. Bearings are based on Global Positioning Satellite observations.
5. Basis of elevation is Tri-Sta "Two Water" located in the NW $\frac{1}{4}$ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.

2508' FNL, 495' FEL (Bottom Hole)
SE $\frac{1}{4}$ NE $\frac{1}{4}$ OF SECTION 36, T9S, R22E,
S.L.B.&M., UINTAH COUNTY, UTAH.



CONSULTING, LLC
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Sheridan WY 82801
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THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PROFESSIONAL LAND SURVEYOR
REGISTRATION NO. 6028691
STATE OF UTAH

DATE SURVEYED: 11-08-10	SURVEYED BY: M.S.B.	SHEET NO: 2 2 OF 16
DATE DRAWN: 11-18-10	DRAWN BY: B.M.	
SCALE: 1" = 1000'	Date Last Revised: 12-14-10 M.W.W.	